



Full&Default Power Mode/Redued Power for DS12

<GSM>

GSM850_Ant 1	Burst Average Power (dBm)			Tune-up Limit (dBm)	Frame-Average Power (dBm)			Tune-up Limit (dBm)
	128	189	251		128	189	251	
TX Channel	82.2	88.4	84.8	82.2	88.4	84.8	82.2	
Frequency (MHz)	32.21	32.04	32.11	33.50	33.20	33.04	33.11	
GSM 1 Tx slot	32.18	32.01	32.07	33.50	33.18	33.01	33.07	
GPRS 1 Tx slots	30.35	30.38	30.31	31.50	24.35	24.38	24.31	
GPRS 2 Tx slots	28.31	28.35	28.35	29.50	24.05	24.09	24.09	
GPRS 3 Tx slots	29.23	29.29	29.34	27.50	23.23	23.29	23.34	
GPRS 4 Tx slots	26.04	26.11	25.94	27.50	17.04	17.11	16.94	
EDGE 1 Tx slot	24.24	24.31	24.22	25.50	18.24	18.31	18.22	
EDGE 2 Tx slots	22.17	22.21	22.23	23.50	17.81	17.85	17.87	
EDGE 3 Tx slots	20.14	20.23	20.08	22.00	17.14	17.23	17.08	
EDGE 4 Tx slots								

GSM1900_Ant 1	Burst Average Power (dBm)			Tune-up Limit (dBm)	Frame-Average Power (dBm)			Tune-up Limit (dBm)
	512	661	810		512	661	810	
TX Channel	1859.2	1830	1839.8	1859.2	1830	1839.8	1859.2	
Frequency (MHz)	29.21	29.23	29.18	30.50	20.21	20.23	20.18	
GSM 1 Tx slot	29.18	29.27	29.16	30.50	20.18	20.27	20.16	
GPRS 1 Tx slot	27.75	27.68	27.44	29.00	21.75	21.68	21.44	
GPRS 2 Tx slots	25.70	25.63	25.44	27.00	21.44	21.37	21.18	
GPRS 3 Tx slots	23.69	23.63	23.48	25.00	20.69	20.63	20.48	
GPRS 4 Tx slots	26.10	25.89	25.91	26.50	17.10	16.89	16.91	
EDGE 1 Tx slot	23.75	23.63	23.43	24.50	17.75	17.63	17.43	
EDGE 2 Tx slots	21.85	21.83	21.84	22.50	17.60	17.57	17.58	
EDGE 3 Tx slots	19.70	19.69	19.72	21.00	16.70	16.69	16.72	
EDGE 4 Tx slots								

<WCDMA>

Band	WCDMA_U_Ant 1			Tune-up Limit (dBm)	WCDMA_V_Ant 1			Tune-up Limit (dBm)	WCDMA_V_Ant 1			Tune-up Limit (dBm)
	9662	9400	9638		1312	1413	1513		4132	4182	4233	
TX Channel	9662	9400	9638	9662	9400	9638	1312	1413	1513	4132	4182	4233
Rx Channel	9662	9800	9938	1537	1638	1738	1537	1638	1738	4357	4407	4458
Frequency (MHz)	1852.4	1886	1907.6	1712.4	1732.6	1752.6	826.4	836.4	846.6	826.4	836.4	846.6
3GPP Rel 99	AMR 12.2Kbps	22.18	22.33	22.10	24.00	22.25	22.41	22.31	24.00	22.28	22.36	22.18
3GPP Rel 99	AMR 12.2Kbps	22.21	22.38	22.14	24.00	22.26	22.43	22.34	24.00	22.31	22.42	22.40
3GPP Rel 6	HSDPA Subtest-1	21.21	21.38	21.18	23.00	21.24	21.43	21.32	23.00	21.35	21.44	21.24
3GPP Rel 6	HSDPA Subtest-2	21.19	21.36	21.17	23.00	21.24	21.45	21.29	23.00	21.30	21.43	21.28
3GPP Rel 6	HSDPA Subtest-3	20.73	20.93	20.59	22.50	20.75	20.97	20.82	22.50	20.85	20.93	20.71
3GPP Rel 6	HSDPA Subtest-4	20.75	20.85	20.68	22.50	20.74	20.89	20.86	22.50	20.79	20.94	20.78
3GPP Rel 6	DC-HSDPA Subtest-1	21.24	21.37	21.11	23.00	21.22	21.48	21.30	23.00	21.28	21.44	21.21
3GPP Rel 6	DC-HSDPA Subtest-2	21.19	21.37	21.18	23.00	21.24	21.46	21.34	23.00	21.36	21.42	21.19
3GPP Rel 6	DC-HSDPA Subtest-3	20.67	20.87	20.68	22.50	20.79	20.95	20.84	22.50	20.82	20.91	20.70
3GPP Rel 6	DC-HSDPA Subtest-4	20.75	20.84	20.62	22.50	20.76	20.90	20.85	22.50	20.78	20.90	20.72
3GPP Rel 6	HSUPA Subtest-1	21.24	21.43	21.11	23.00	21.22	21.59	21.31	23.00	21.36	21.43	21.19
3GPP Rel 6	HSUPA Subtest-2	19.21	19.34	19.15	21.00	19.25	19.40	19.32	21.00	19.34	19.38	19.25
3GPP Rel 6	HSUPA Subtest-3	20.26	20.37	20.15	22.00	20.23	20.46	20.30	22.00	20.29	20.40	20.21
3GPP Rel 6	HSUPA Subtest-4	19.20	19.42	19.17	21.00	19.24	19.42	19.29	21.00	19.28	19.46	19.27
3GPP Rel 6	HSUPA Subtest-5	21.20	21.42	21.14	23.00	21.24	21.41	21.35	23.00	21.28	21.41	21.27



LTE Band 2 Ant 1

Table with columns: BW [MHz], Modulation, RB Size, RB Offset, Power Low Ch./Freq, Power Middle Ch./Freq, Power High Ch./Freq, Tune-up limit (dBm), MPR (dB). Contains multiple channel configurations for LTE Band 2 Ant 1.

LTE Band 4 Ant 1

Table with columns: BW [MHz], Modulation, RB Size, RB Offset, Power Low Ch./Freq, Power Middle Ch./Freq, Power High Ch./Freq, Tune-up limit (dBm), MPR (dB). Contains multiple channel configurations for LTE Band 4 Ant 1.



LTE Band 5 Ant 1

BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Middle Ch / Freq	Power High Ch / Freq	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
10	QPSK	1	0	22.56	22.56	22.56	24	0
10	QPSK	1	26	22.40	22.44	22.33		
10	QPSK	1	46	22.32	22.34	22.28		
10	QPSK	25	0	21.48	21.68	21.30	23	1
10	QPSK	25	12	21.45	21.46	21.29		
10	QPSK	25	25	21.28	21.33	21.22		
10	QPSK	50	0	21.36	21.57	21.56	23	1
10	16QAM	1	0	21.42	21.57	21.57		
10	16QAM	1	25	21.42	21.45	21.27		
10	16QAM	1	49	21.29	21.40	21.34	22	2
10	16QAM	25	0	20.45	20.71	20.54		
10	16QAM	25	12	20.50	20.62	20.53		
10	16QAM	25	25	20.61	20.75	20.68	22	2
10	16QAM	50	0	20.27	20.28	20.12		
Channel								
Frequency (MHz)								
5	QPSK	1	0	22.46	22.56	22.37	24	0
5	QPSK	1	12	22.25	22.39	22.23		
5	QPSK	1	24	22.17	22.27	22.14		
5	QPSK	12	0	21.30	21.64	21.44	23	1
5	QPSK	12	7	21.42	21.27	21.39		
5	QPSK	12	13	21.34	21.48	21.48		
5	QPSK	25	0	21.24	21.46	21.40	23	1
5	16QAM	1	0	21.23	21.40	21.55		
5	16QAM	1	12	21.29	21.29	21.14		
5	16QAM	1	24	21.27	21.40	21.17	22	2
5	16QAM	12	0	20.46	20.50	20.65		
5	16QAM	12	7	20.48	20.49	20.34		
5	16QAM	12	13	20.55	20.65	20.47	22	2
5	16QAM	25	0	20.45	20.50	20.59		
Channel								
Frequency (MHz)								
3	QPSK	1	0	22.51	22.48	22.52	24	0
3	QPSK	1	8	22.41	22.35	22.29		
3	QPSK	1	14	22.15	22.18	22.16		
3	QPSK	8	0	21.30	21.64	21.31	23	1
3	QPSK	8	4	21.39	21.39	21.29		
3	QPSK	8	7	21.30	21.22	21.42		
3	QPSK	15	0	21.37	21.50	21.43	23	1
3	16QAM	1	0	21.31	21.52	21.38		
3	16QAM	1	8	21.26	21.45	21.06		
3	16QAM	1	14	21.08	21.41	21.21	22	2
3	16QAM	8	0	20.57	20.64	20.61		
3	16QAM	8	4	20.45	20.50	20.53		
3	16QAM	8	7	20.54	20.73	20.56	22	2
3	16QAM	15	0	20.07	20.50	20.49		
Channel								
Frequency (MHz)								
1.4	QPSK	1	0	22.47	22.53	22.43	24	0
1.4	QPSK	1	3	22.34	22.33	22.14		
1.4	QPSK	1	5	22.32	22.26	22.29		
1.4	QPSK	3	0	22.41	22.58	22.29	23	1
1.4	QPSK	3	0	22.36	22.34	22.12		
1.4	QPSK	3	0	22.16	22.30	22.17		
1.4	16QAM	1	0	21.24	21.50	21.52	23	1
1.4	16QAM	1	3	21.33	21.27	21.19		
1.4	16QAM	1	6	21.24	21.19	21.17		
1.4	16QAM	3	0	21.29	21.52	21.35	22	2
1.4	16QAM	3	1	21.28	21.57	21.39		
1.4	16QAM	3	3	21.42	21.43	21.10		
1.4	16QAM	6	0	20.21	20.20	20.00	22	2

LTE Band 7 Ant 1

BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Middle Ch / Freq	Power High Ch / Freq	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
20	QPSK	1	0	22.20	22.41	22.34	24	0
20	QPSK	1	46	22.03	22.23	22.17		
20	QPSK	1	99	22.14	22.31	22.11		
20	QPSK	50	0	21.45	21.48	21.41	23	1
20	QPSK	50	84	21.12	21.24	21.22		
20	QPSK	50	50	21.12	21.41	21.01		
20	QPSK	100	0	21.94	21.23	21.86	23	1
20	16QAM	1	0	21.76	21.76	21.58		
20	16QAM	1	46	21.48	21.67	21.51		
20	16QAM	1	99	21.68	21.63	21.49	22	2
20	16QAM	50	0	20.25	20.31	20.19		
20	16QAM	50	24	20.12	20.27	20.23		
20	16QAM	50	80	20.18	20.35	20.35	22	2
20	16QAM	100	0	20.12	20.26	20.19		
Channel								
Frequency (MHz)								
15	QPSK	1	0	22.10	22.35	22.21	24	0
15	QPSK	1	37	22.09	22.18	22.09		
15	QPSK	1	74	22.03	22.18	22.05		
15	QPSK	36	0	21.33	21.38	21.33	23	1
15	QPSK	36	30	21.31	21.09	21.32		
15	QPSK	36	39	21.04	21.35	21.35		
15	QPSK	75	0	21.32	21.12	21.27	23	1
15	16QAM	1	0	21.62	21.64	21.51		
15	16QAM	1	37	21.35	21.58	21.45		
15	16QAM	1	74	21.45	21.55	21.41	22	2
15	16QAM	36	0	20.19	20.22	20.13		
15	16QAM	36	30	20.02	20.16	20.18		
15	16QAM	36	39	20.04	20.23	20.18	22	2
15	16QAM	75	0	20.12	20.12	20.08		
Channel								
Frequency (MHz)								
10	QPSK	1	0	22.08	22.29	22.20	24	0
10	QPSK	1	25	22.11	22.16	22.03		
10	QPSK	1	49	22.03	22.24	22.04		
10	QPSK	25	0	21.37	21.41	21.29	23	1
10	QPSK	25	12	21.01	21.11	21.10		
10	QPSK	25	25	21.01	21.11	21.35		
10	QPSK	50	0	21.38	21.13	21.32	23	1
10	16QAM	1	0	21.68	21.65	21.54		
10	16QAM	1	25	21.36	21.61	21.42		
10	16QAM	1	49	21.49	21.55	21.42	22	2
10	16QAM	25	0	20.16	20.29	20.12		
10	16QAM	25	12	20.04	20.16	20.13		
10	16QAM	25	25	20.07	20.30	20.24	22	2
10	16QAM	50	0	20.02	20.12	20.03		
Channel								
Frequency (MHz)								
5	QPSK	1	0	22.44	22.36	22.21	24	0
5	QPSK	1	12	22.09	22.08	22.08		
5	QPSK	1	24	22.04	22.19	22.03		
5	QPSK	12	0	21.31	21.42	21.32	23	1
5	QPSK	12	7	21.01	21.10	21.09		
5	QPSK	12	13	21.06	21.31	21.34		
5	QPSK	25	0	21.27	21.15	21.28	23	1
5	16QAM	1	0	21.67	21.69	21.61		
5	16QAM	1	12	21.41	21.60	21.49		
5	16QAM	1	24	21.53	21.53	21.35	22	2
5	16QAM	12	0	20.16	20.19	20.04		
5	16QAM	12	7	20.03	20.19	20.19		
5	16QAM	12	13	20.10	20.28	20.24	22	2
5	16QAM	25	0	20.07	20.20	20.11		



LTE Band 13 Ant 1

Channel	Frequency (MHz)	Power Low Ch / Freq	Power Mids Ch / Freq	Power High Ch / Freq	Tune-up limit (dBm)	MPR (dB)
Channel 742						
10	QPSK	1	0	22.94	24	0
10	QPSK	1	26	22.92		
10	QPSK	1	49	22.87		
10	QPSK	25	0	22.08	23	1
10	QPSK	25	12	21.87		
10	QPSK	25	26	21.99		
10	16QAM	50	0	21.88		
10	16QAM	1	0	22.34	23	1
10	16QAM	1	26	22.25		
10	16QAM	1	49	22.27		
10	16QAM	25	0	20.51	22	2
10	16QAM	25	12	20.81		
10	16QAM	25	26	20.94		
10	16QAM	50	0	20.92		
Channel 743						
Channel 2320						
5	QPSK	1	0	22.84	24	0
5	QPSK	1	12	22.95		
5	QPSK	1	24	22.74		
5	QPSK	12	0	21.79	23	1
5	QPSK	12	7	21.68		
5	QPSK	12	13	21.97		
5	QPSK	25	0	21.64		
5	16QAM	1	0	22.24	23	1
5	16QAM	1	12	22.13		
5	16QAM	1	24	22.13		
5	16QAM	12	0	20.63	22	2
5	16QAM	12	7	20.69		
5	16QAM	12	13	20.87		
5	16QAM	25	0	20.95		

LTE Band 26 Ant 1

Channel	Frequency (MHz)	Power Low Ch / Freq	Power Mids Ch / Freq	Power High Ch / Freq	Tune-up limit (dBm)	MPR (dB)
Channel 2684						
15	QPSK	1	0	22.99	24	0
15	QPSK	1	37	22.33		
15	QPSK	1	74	22.15		
15	QPSK	36	0	21.53	23	1
15	QPSK	36	20	21.96		
15	QPSK	36	39	21.31		
15	16QAM	73	0	22.18		
15	16QAM	1	0	22.29	23	1
15	16QAM	1	37	22.12		
15	16QAM	1	74	22.12		
15	16QAM	36	0	20.82	22	2
15	16QAM	36	20	20.80		
15	16QAM	36	39	20.63		
15	16QAM	75	0	20.77		
Channel 2685						
Channel 2690						
10	QPSK	1	0	22.53	24	0
10	QPSK	1	26	22.16		
10	QPSK	1	49	22.16		
10	QPSK	25	0	21.34	23	1
10	QPSK	25	13	21.37		
10	QPSK	25	26	21.10		
10	QPSK	50	0	21.84		
10	16QAM	1	0	22.07	23	1
10	16QAM	1	26	22.10		
10	16QAM	1	49	22.09		
10	16QAM	25	0	20.61	22	2
10	16QAM	25	13	20.58		
10	16QAM	25	26	20.44		
10	16QAM	50	0	20.96		
Channel 2691						
Channel 2696						
5	QPSK	1	0	22.26	24	0
5	QPSK	1	12	22.14		
5	QPSK	1	24	22.16		
5	QPSK	12	0	21.38	23	1
5	QPSK	12	7	21.58		
5	QPSK	12	13	21.98		
5	QPSK	25	0	22.07		
5	16QAM	1	0	22.13	23	1
5	16QAM	1	12	21.97		
5	16QAM	1	24	22.07		
5	16QAM	12	0	20.80	22	2
5	16QAM	12	7	20.71		
5	16QAM	12	13	20.62		
5	16QAM	25	0	20.70		
Channel 2697						
Channel 2702						
3	QPSK	1	0	22.42	24	0
3	QPSK	1	8	22.28		
3	QPSK	1	14	22.26		
3	QPSK	8	0	21.41	23	1
3	QPSK	8	4	21.48		
3	QPSK	8	7	21.29		
3	QPSK	15	0	22.11		
3	16QAM	1	0	22.14	23	1
3	16QAM	1	8	22.11		
3	16QAM	1	14	22.01		
3	16QAM	8	0	20.68	22	2
3	16QAM	8	4	20.75		
3	16QAM	8	7	20.64		
3	16QAM	15	0	20.69		
Channel 2703						
Channel 2708						
1.4	QPSK	1	0	22.80	24	0
1.4	QPSK	1	3	22.24		
1.4	QPSK	1	6	22.14		
1.4	QPSK	3	0	22.05	23	1
1.4	QPSK	3	3	22.13		
1.4	QPSK	6	0	22.06		
1.4	16QAM	1	0	22.20	23	1
1.4	16QAM	1	3	22.04		
1.4	16QAM	1	6	21.91		
1.4	16QAM	3	0	22.13	23	1
1.4	16QAM	3	1	22.08		
1.4	16QAM	3	3	21.92		
1.4	16QAM	6	0	20.71	22	2



LTE Band 66 Ant 1

BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq	Power Middle Ch. / Freq	Power High Ch. / Freq	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
20	QPSK	1	0	22.26	22.44	22.19	24	0
20	QPSK	1	49	22.37	22.38	22.28		
20	QPSK	1	99	22.29	22.40	22.39		
20	QPSK	50	0	21.62	21.67	21.49	23	1
20	QPSK	50	24	21.47	21.51	21.50		
20	QPSK	50	50	21.43	21.63	21.55		
20	QPSK	100	0	21.33	21.44	21.38	23	1
20	16QAM	1	99	21.39	21.43	21.36		
20	16QAM	1	49	21.48	21.52	21.40		
20	16QAM	1	0	21.39	21.56	21.41	22	2
20	16QAM	50	0	20.35	20.55	20.53		
20	16QAM	50	24	20.32	20.47	20.48		
20	16QAM	50	50	20.46	20.58	20.42	22	2
20	16QAM	100	0	20.53	20.57	20.46		
Channel								
Frequency (MHz)								
15	QPSK	1	0	22.59	22.31	22.58	24	0
15	QPSK	1	37	22.24	22.35	22.21		
15	QPSK	1	74	22.18	22.41	22.17		
15	QPSK	36	0	21.39	21.48	21.45	23	1
15	QPSK	36	20	21.44	21.51	21.51		
15	QPSK	36	39	21.34	21.42	21.40		
15	QPSK	75	0	21.15	21.39	21.19	23	1
15	16QAM	1	0	21.36	21.33	21.23		
15	16QAM	1	37	21.31	21.44	21.18		
15	16QAM	1	74	21.36	21.52	21.21	22	2
15	16QAM	36	0	20.34	20.41	20.48		
15	16QAM	36	20	20.16	20.30	20.38		
15	16QAM	36	39	20.41	20.59	20.24	22	2
15	16QAM	75	0	20.32	20.51	20.41		
Channel								
Frequency (MHz)								
10	QPSK	1	0	22.07	22.42	22.00	24	0
10	QPSK	1	25	22.17	22.24	22.10		
10	QPSK	1	49	22.31	22.38	22.24		
10	QPSK	25	0	21.49	21.57	21.49	23	1
10	QPSK	25	12	21.36	21.45	21.47		
10	QPSK	25	25	21.25	21.52	21.34		
10	QPSK	50	0	21.06	21.31	21.28	23	1
10	16QAM	1	0	21.20	21.31	21.26		
10	16QAM	1	25	21.44	21.46	21.29		
10	16QAM	1	49	21.29	21.39	21.32	22	2
10	16QAM	25	0	20.38	20.59	20.44		
10	16QAM	25	12	20.39	20.28	20.43		
10	16QAM	25	25	20.45	20.39	20.27	22	2
10	16QAM	50	0	20.45	20.44	20.42		
Channel								
Frequency (MHz)								
5	QPSK	1	0	17.15	17.45	17.75	24	0
5	QPSK	1	12	22.21	22.31	22.19		
5	QPSK	1	24	22.21	22.27	22.27		
5	QPSK	12	0	21.53	21.65	21.49	23	1
5	QPSK	12	7	21.43	21.52	21.35		
5	QPSK	12	13	21.44	21.44	21.40		
5	QPSK	25	0	21.02	21.30	21.08	23	1
5	16QAM	1	0	21.25	21.28	21.32		
5	16QAM	1	12	21.46	21.51	21.26		
5	16QAM	1	24	21.29	21.52	21.33	22	2
5	16QAM	12	0	20.25	20.62	20.47		
5	16QAM	12	7	20.20	20.28	20.27		
5	16QAM	12	13	20.48	20.51	20.40	22	2
5	16QAM	25	0	20.33	20.55	20.48		
Channel								
Frequency (MHz)								
3	QPSK	1	0	22.12	22.24	22.06	24	0
3	QPSK	1	8	22.19	22.30	22.21		
3	QPSK	1	14	22.10	22.38	22.24		
3	QPSK	8	0	21.44	21.68	21.44	23	1
3	QPSK	8	4	21.52	21.45	21.39		
3	QPSK	8	7	21.24	21.60	21.35		
3	QPSK	16	0	21.17	21.28	21.16	23	1
3	16QAM	1	0	21.21	21.28	21.19		
3	16QAM	1	8	21.35	21.46	21.23		
3	16QAM	1	14	21.23	21.50	21.26	22	2
3	16QAM	8	0	20.28	20.55	20.58		
3	16QAM	8	4	20.24	20.31	20.40		
3	16QAM	8	7	20.43	20.47	20.30	22	2
3	16QAM	16	0	20.41	20.56	20.27		
Channel								
Frequency (MHz)								
1.4	QPSK	1	0	22.14	22.31	22.19	24	0
1.4	QPSK	1	3	22.35	22.33	22.30		
1.4	QPSK	1	5	22.29	22.27	22.39		
1.4	QPSK	3	0	22.07	22.38	22.38	23	1
1.4	QPSK	3	1	22.28	22.42	22.20		
1.4	QPSK	3	3	22.09	22.25	22.36		
1.4	QPSK	6	0	21.21	21.42	21.13	23	1
1.4	16QAM	1	0	21.17	21.36	21.05		
1.4	16QAM	1	3	21.46	21.44	21.21		
1.4	16QAM	1	6	21.19	21.49	21.35	23	1
1.4	16QAM	3	0	21.27	21.41	21.35		
1.4	16QAM	3	1	21.39	21.48	21.23		
1.4	16QAM	3	3	21.18	21.53	21.33	22	2
1.4	16QAM	6	0	20.34	20.40	20.35		

LTE Band 38 Ant 1

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Mid Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				37850	38000	38150		
Frequency (MHz)				2580	2595	2610		
20	QPSK	1	0	22.53	22.80	22.61	24	0
20	QPSK	1	49	22.49	22.74	22.35		
20	QPSK	1	99	22.46	22.72	22.33		
20	QPSK	50	0	21.35	21.83	21.41	23	1
20	QPSK	50	24	21.44	21.79	21.45		
20	QPSK	50	50	21.41	21.78	21.46		
20	QPSK	100	0	21.35	21.83	21.44	23	1
20	16QAM	1	0	21.22	21.36	21.30		
20	16QAM	1	49	21.43	21.55	21.48		
20	16QAM	50	0	21.47	21.80	21.48	22	2
20	16QAM	50	24	20.13	20.18	20.06		
20	16QAM	50	50	20.26	20.38	20.30		
20	16QAM	100	0	20.18	20.28	20.19	22	2
20	16QAM	100	24	20.68	20.73	20.67		
20	16QAM	100	50	20.68	20.73	20.67		
Channel				37400	38000	38600	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2577.5	2595	2612.5		
15	QPSK	1	0	22.45	22.71	22.47	24	0
15	QPSK	1	37	22.41	22.64	22.28		
15	QPSK	1	74	22.34	22.60	22.23		
15	QPSK	36	0	21.31	21.72	21.29	23	1
15	QPSK	36	20	21.30	21.76	21.33		
15	QPSK	36	39	21.33	21.69	21.31		
15	QPSK	15	0	21.33	21.73	21.38	23	1
15	16QAM	1	0	21.13	21.28	21.17		
15	16QAM	1	37	21.36	21.47	21.42		
15	16QAM	1	74	21.41	21.47	21.42	22	2
15	16QAM	36	0	20.04	20.07	20.18		
15	16QAM	36	20	20.16	20.33	20.24		
15	16QAM	36	39	20.04	20.15	20.10	22	2
15	16QAM	36	75	20.61	20.66	20.55		
15	16QAM	75	0	20.61	20.66	20.55		
Channel				37400	38000	38600	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2575	2595	2615		
10	QPSK	1	0	22.47	22.72	22.51	24	0
10	QPSK	1	25	22.42	22.66	22.28		
10	QPSK	1	49	22.32	22.59	22.24		
10	QPSK	25	0	21.29	21.68	21.26	23	1
10	QPSK	25	12	21.31	21.77	21.34		
10	QPSK	25	25	21.35	21.70	21.36		
10	QPSK	50	0	21.27	21.77	21.31	23	1
10	16QAM	1	0	21.16	21.30	21.16		
10	16QAM	1	25	21.32	21.41	21.34		
10	16QAM	1	49	21.34	21.48	21.41	22	2
10	16QAM	25	0	20.00	20.05	20.23		
10	16QAM	25	12	20.13	20.31	20.16		
10	16QAM	25	25	20.10	20.18	20.07	22	2
10	16QAM	25	50	20.59	20.58	20.58		
10	16QAM	50	0	20.59	20.58	20.58		
Channel				3777.5	38000	38225	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2572.5	2595	2611.5		
5	QPSK	1	0	22.44	22.68	22.53	24	0
5	QPSK	1	12	22.35	22.62	22.21		
5	QPSK	1	24	22.38	22.60	22.24		
5	QPSK	12	0	21.27	21.68	21.32	23	1
5	QPSK	12	7	21.30	21.69	21.33		
5	QPSK	12	13	21.32	21.68	21.34		
5	QPSK	25	0	21.25	21.73	21.39	23	1
5	16QAM	1	0	21.09	21.22	21.18		
5	16QAM	1	12	21.28	21.40	21.35		
5	16QAM	1	24	21.41	21.51	21.39	22	2
5	16QAM	12	0	20.04	20.07	20.18		
5	16QAM	12	7	20.14	20.29	20.19		
5	16QAM	12	13	20.06	20.19	20.08	22	2
5	16QAM	12	25	20.63	20.67	20.57		
5	16QAM	25	0	20.63	20.67	20.57		



Reduced Power for DS14

<GSM>

GSM850_Ant_1	Burst Average Power (dBm)			Tune-up Limit (dBm)	Frame-Average Power (dBm)			Tune-up Limit (dBm)
	128	189	251		128	189	251	
TX Channel	82.2	88.4	84.8	82.2	88.4	84.8	82.2	
Frequency (MHz)	32.20	32.04	32.11	33.50	33.20	33.04	33.11	
GSM 1 Tx slot	32.18	32.01	32.07	33.50	33.18	33.01	33.07	
GPRS 1 Tx slots	30.35	30.38	30.31	31.50	24.35	24.38	24.31	
GPRS 2 Tx slots	28.31	28.35	28.35	29.50	24.05	24.09	24.09	
GPRS 3 Tx slots	28.23	28.29	28.34	27.50	23.23	23.29	23.34	
GPRS 4 Tx slots	26.04	26.11	25.94	27.50	17.04	17.11	16.94	
EDGE 1 Tx slot	24.24	24.31	24.22	25.50	18.24	18.31	18.22	
EDGE 2 Tx slots	22.17	22.21	22.23	23.50	17.81	17.85	17.87	
EDGE 3 Tx slots	20.14	20.23	20.08	22.00	17.14	17.23	17.08	

GSM1900_Ant_1	Burst Average Power (dBm)			Tune-up Limit (dBm)	Frame-Average Power (dBm)			Tune-up Limit (dBm)
	512	661	810		512	661	810	
TX Channel	26.46	26.52	26.50	27.00	17.46	17.52	17.50	
Frequency (MHz)	1859.2	1860	1859.8	1869.2	1860	1859.8	1869.2	
GSM 1 Tx slot	26.53	26.60	26.53	27.00	17.53	17.60	17.53	
GPRS 1 Tx slot	22.89	23.00	22.89	24.00	16.89	17.00	16.89	
GPRS 2 Tx slots	20.92	21.00	20.96	22.00	16.06	16.74	16.70	
GPRS 3 Tx slots	19.67	19.70	19.59	20.00	16.67	16.70	16.59	
GPRS 4 Tx slots	26.30	26.09	26.11	26.50	17.30	17.09	17.11	
EDGE 1 Tx slot	22.95	22.83	22.63	23.50	16.95	16.83	16.63	
EDGE 2 Tx slots	21.06	20.83	20.84	21.50	16.80	16.57	16.58	
EDGE 3 Tx slots	18.90	18.89	18.92	20.00	15.90	15.89	15.92	

<WCDMA>

Band	WCDMA_U_Ant_1	Tune-up Limit (dBm)	WCDMA_V_Ant_1			Tune-up Limit (dBm)	WCDMA_V_Ant_1			Tune-up Limit (dBm)
			1312	1413	1513		4132	4182	4233	
TX Channel	9662	9600	9638	1537	1638	1738	4357	4407	4458	
Rx Channel	9662	9600	9638	1712.4	1732.6	1752.6	826.4	836.4	846.6	
Frequency (MHz)	1852.4	1886	1907.6	1712.4	1732.6	1752.6	826.4	836.4	846.6	
3GPP Rel 99	AMR 12.2kbps	17.72	17.88	17.65	19.00	15.61	15.72	15.61	17.00	
3GPP Rel 99	RMTC 12.2kbps	17.84	17.97	17.85	19.00	15.63	15.76	15.71	17.00	
3GPP Rel 6	HSDPA Subtest-1	16.82	16.96	16.80	18.00	14.63	14.76	14.69	16.00	
3GPP Rel 6	HSDPA Subtest-2	16.75	16.94	16.79	18.00	14.61	14.79	14.65	16.00	
3GPP Rel 6	HSDPA Subtest-3	16.29	16.47	16.18	17.50	14.08	14.36	14.14	15.50	
3GPP Rel 6	HSDPA Subtest-4	16.31	16.47	16.26	17.50	14.07	14.24	14.23	15.50	
3GPP Rel 6	DC-HSDPA Subtest-1	16.82	16.99	16.68	18.00	14.50	14.84	14.62	16.00	
3GPP Rel 6	DC-HSDPA Subtest-2	16.73	16.95	16.80	18.00	14.63	14.77	14.61	16.00	
3GPP Rel 6	DC-HSDPA Subtest-3	16.22	16.46	16.33	17.50	14.09	14.27	14.16	15.50	
3GPP Rel 6	DC-HSDPA Subtest-4	16.35	16.44	16.26	17.50	14.04	14.18	14.13	15.50	
3GPP Rel 6	HSUPA Subtest-1	16.89	17.04	16.71	19.00	14.53	14.76	14.66	16.00	
3GPP Rel 6	HSUPA Subtest-2	14.83	14.94	14.71	16.00	12.56	12.72	12.60	14.00	
3GPP Rel 6	HSUPA Subtest-3	15.86	15.99	15.70	17.00	13.62	13.81	13.63	15.00	
3GPP Rel 6	HSUPA Subtest-4	14.79	14.97	14.72	16.00	12.58	12.74	12.65	14.00	
3GPP Rel 6	HSUPA Subtest-5	16.84	16.92	16.71	18.00	14.51	14.78	14.66	16.00	



LTE Band 5 Ant 1

BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
10	QPSK	1	0	22.56	22.56	22.56	24	0
10	QPSK	1	26	22.40	22.44	22.33		
10	QPSK	1	46	22.32	22.34	22.28		
10	QPSK	25	0	21.48	21.68	21.30	23	1
10	QPSK	25	12	21.45	21.46	21.29		
10	QPSK	25	26	21.28	21.33	21.22		
10	QPSK	50	0	21.36	21.57	21.56	23	1
10	16QAM	1	1	21.42	21.45	21.27		
10	16QAM	1	25	21.29	21.40	21.34		
10	16QAM	1	49	20.45	20.71	20.54	22	2
10	16QAM	25	0	20.45	20.71	20.54		
10	16QAM	25	12	20.50	20.62	20.53		
10	16QAM	25	26	20.61	20.75	20.68	22	2
10	16QAM	50	0	20.27	20.28	20.12		
Channel								
Frequency (MHz)								
5	QPSK	1	0	22.46	22.56	22.37	24	0
5	QPSK	1	12	22.25	22.39	22.23		
5	QPSK	1	24	22.17	22.27	22.14		
5	QPSK	12	0	21.30	21.64	21.44	23	1
5	QPSK	12	7	21.42	21.27	21.39		
5	QPSK	12	13	21.34	21.48	21.48		
5	QPSK	25	0	21.24	21.46	21.40	23	1
5	16QAM	1	0	21.23	21.40	21.55		
5	16QAM	1	12	21.29	21.29	21.14		
5	16QAM	1	24	21.27	21.40	21.17	22	2
5	16QAM	12	0	20.46	20.65	20.65		
5	16QAM	12	7	20.48	20.49	20.34		
5	16QAM	12	13	20.55	20.65	20.47	22	2
5	16QAM	25	0	20.45	20.60	20.59		
Channel								
Frequency (MHz)								
3	QPSK	1	0	22.51	22.48	22.52	24	0
3	QPSK	1	8	22.41	22.35	22.29		
3	QPSK	1	14	22.15	22.18	22.16		
3	QPSK	8	0	21.30	21.64	21.31	23	1
3	QPSK	8	4	21.39	21.39	21.29		
3	QPSK	8	7	21.30	21.22	21.42		
3	QPSK	15	0	21.37	21.50	21.43	23	1
3	16QAM	1	0	21.31	21.52	21.38		
3	16QAM	1	8	21.26	21.45	21.06		
3	16QAM	1	14	21.08	21.41	21.21	22	2
3	16QAM	8	0	20.57	20.64	20.61		
3	16QAM	8	4	20.45	20.50	20.53		
3	16QAM	8	7	20.54	20.73	20.56	22	2
3	16QAM	15	0	20.07	20.50	20.49		
Channel								
Frequency (MHz)								
1.4	QPSK	1	0	22.57	22.53	22.53	24	0
1.4	QPSK	1	3	22.34	22.33	22.14		
1.4	QPSK	1	5	22.22	22.26	22.29		
1.4	QPSK	3	0	22.41	22.58	22.29	23	1
1.4	QPSK	3	1	22.36	22.34	22.12		
1.4	QPSK	3	3	22.16	22.30	22.17		
1.4	16QAM	1	0	21.24	21.50	21.52	23	1
1.4	16QAM	1	3	21.23	21.27	21.19		
1.4	16QAM	1	6	21.24	21.19	21.17		
1.4	16QAM	3	0	21.29	21.52	21.35	22	2
1.4	16QAM	3	1	21.28	21.57	21.39		
1.4	16QAM	3	3	21.42	21.43	21.10		
1.4	16QAM	6	0	20.21	20.20	20.00	22	2

LTE Band 7 Ant 1

BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
20	QPSK	1	0	10.73	10.59	10.86	12	0
20	QPSK	1	1	10.71	10.85	10.85		
20	QPSK	1	99	10.82	10.97	10.83		
20	QPSK	50	0	10.75	10.97	10.91	12	0
20	QPSK	50	24	10.74	10.93	10.91		
20	QPSK	50	50	10.74	10.93	10.89		
20	QPSK	100	0	10.77	10.91	10.86	12	0
20	16QAM	1	0	10.78	11.03	10.90		
20	16QAM	1	49	10.75	11.02	10.84		
20	16QAM	1	99	10.70	11.01	10.86	12	0
20	16QAM	50	0	10.70	10.96	10.90		
20	16QAM	50	24	10.69	10.91	10.85		
20	16QAM	50	50	10.82	10.90	10.81	12	0
20	16QAM	100	0	10.75	11.00	10.82		
Channel								
Frequency (MHz)								
15	QPSK	1	0	10.64	10.85	10.71	12	0
15	QPSK	1	27	10.61	10.74	10.91		
15	QPSK	1	44	10.70	10.85	10.89		
15	QPSK	36	0	10.62	10.89	10.81	12	0
15	QPSK	36	30	10.63	10.86	10.79		
15	QPSK	36	39	10.64	10.92	10.82		
15	QPSK	75	0	10.61	10.84	10.72	12	0
15	16QAM	1	0	10.65	10.90	10.78		
15	16QAM	1	37	10.60	10.89	10.87		
15	16QAM	1	74	10.59	10.88	10.87	12	0
15	16QAM	36	0	10.62	10.91	10.83		
15	16QAM	36	20	10.55	10.79	10.73		
15	16QAM	36	59	10.68	10.79	10.86	12	0
15	16QAM	75	0	10.67	10.97	10.89		
Channel								
Frequency (MHz)								
10	QPSK	1	0	10.64	10.89	10.73	12	0
10	QPSK	1	25	10.66	10.78	10.90		
10	QPSK	1	49	10.67	10.81	10.76		
10	QPSK	25	0	10.63	10.94	10.87	12	0
10	QPSK	25	12	10.59	10.90	10.86		
10	QPSK	25	26	10.66	10.82	10.77		
10	QPSK	50	0	10.64	10.82	10.76	12	0
10	16QAM	1	0	10.65	10.94	10.81		
10	16QAM	1	25	10.63	10.91	10.72		
10	16QAM	1	49	10.58	10.89	10.82	12	0
10	16QAM	25	0	10.56	10.84	10.80		
10	16QAM	25	12	10.58	10.82	10.82		
10	16QAM	25	26	10.70	10.73	10.81	12	0
10	16QAM	50	0	10.62	10.92	10.75		
Channel								
Frequency (MHz)								
5	QPSK	1	0	10.63	10.83	10.73	12	0
5	QPSK	1	12	10.61	10.79	10.89		
5	QPSK	1	24	10.71	10.92	10.74		
5	QPSK	12	0	10.59	10.86	10.75	12	0
5	QPSK	12	7	10.63	10.90	10.89		
5	QPSK	12	13	10.69	10.86	10.83		
5	QPSK	25	0	10.71	10.85	10.75	12	0
5	16QAM	1	0	10.63	10.98	10.82		
5	16QAM	1	12	10.59	10.97	10.79		
5	16QAM	1	24	10.62	10.97	10.90	12	0
5	16QAM	12	0	10.64	10.84	10.79		
5	16QAM	12	7	10.58	10.75	10.75		
5	16QAM	12	13	10.78	10.83	10.78	12	0
5	16QAM	25	0	10.60	10.92	10.60		



LTE Band 13 Ant 1

Band	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Middle Ch / Freq	Power High Ch / Freq	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
10	QPSK	1	0	22.94	22.94	22.94	24	0
10	QPSK	1	26	22.92	22.92	22.92	23	1
10	QPSK	1	49	22.87	22.87	22.87		
10	QPSK	25	0	22.08	22.08	22.08		
10	QPSK	25	12	21.87	21.87	21.87	23	1
10	QPSK	25	26	21.99	21.99	21.99		
10	QPSK	50	0	21.95	21.95	21.95		
10	16QAM	1	0	22.34	22.34	22.34	23	1
10	16QAM	1	26	22.25	22.25	22.25		
10	16QAM	1	49	22.27	22.27	22.27		
10	16QAM	25	0	20.51	20.51	20.51	22	2
10	16QAM	25	12	20.81	20.81	20.81		
10	16QAM	25	26	20.94	20.94	20.94		
10	16QAM	50	0	20.92	20.92	20.92		
Channel								
Frequency (MHz)								
5	QPSK	1	0	22.84	22.80	22.81	24	0
5	QPSK	1	12	22.95	22.88	22.88	23	1
5	QPSK	1	24	22.74	22.78	22.80		
5	QPSK	12	0	21.75	21.98	21.82		
5	QPSK	12	7	21.68	21.74	21.68	23	1
5	QPSK	12	13	21.97	21.92	21.89		
5	QPSK	25	0	21.64	21.89	21.82		
5	16QAM	1	0	22.24	22.18	22.22	23	1
5	16QAM	1	12	22.13	22.05	22.15		
5	16QAM	1	24	22.13	22.01	21.98		
5	16QAM	12	0	20.63	20.76	20.80	22	2
5	16QAM	12	7	20.69	20.81	20.76		
5	16QAM	12	13	20.87	20.77	20.71		
5	16QAM	25	0	20.95	20.90	20.90		

LTE Band 26 Ant 1

Band	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Middle Ch / Freq	Power High Ch / Freq	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
15	QPSK	1	0	22.99	22.60	22.26	24	0
15	QPSK	1	37	22.33	22.41	22.22		
15	QPSK	1	74	22.15	22.35	22.17		
15	QPSK	36	0	21.53	21.67	21.39	23	1
15	QPSK	36	20	21.56	21.64	21.42		
15	QPSK	36	39	21.31	21.44	21.33		
15	QPSK	72	0	22.18	22.25	22.11	23	1
15	16QAM	1	0	22.29	22.27	22.20		
15	16QAM	1	37	22.12	22.19	22.20		
15	16QAM	1	74	22.12	22.28	22.16	22	2
15	16QAM	36	0	20.82	20.95	20.85		
15	16QAM	36	20	20.80	20.88	20.88		
15	16QAM	36	39	20.63	20.84	20.65		
15	16QAM	72	0	20.77	20.87	20.85		
Channel								
Frequency (MHz)								
10	QPSK	1	0	22.53	22.47	22.20	24	0
10	QPSK	1	25	22.16	22.23	22.09		
10	QPSK	1	49	22.15	22.31	22.11		
10	QPSK	25	0	21.34	21.40	21.22	23	1
10	QPSK	25	12	21.37	21.34	21.28		
10	QPSK	25	25	21.10	21.33	21.28		
10	QPSK	50	0	21.84	22.05	21.89	23	1
10	16QAM	1	0	22.11	22.07	22.09		
10	16QAM	1	25	22.10	22.18	22.13		
10	16QAM	1	49	22.09	22.11	22.11	22	2
10	16QAM	25	0	20.61	20.79	20.70		
10	16QAM	25	12	20.58	20.71	20.67		
10	16QAM	25	25	20.44	20.63	20.66		
10	16QAM	50	0	20.56	20.71	20.56		
Channel								
Frequency (MHz)								
5	QPSK	1	0	22.25	22.44	22.11	24	0
5	QPSK	1	12	22.14	22.21	22.06		
5	QPSK	1	24	22.16	22.15	22.12		
5	QPSK	12	0	21.38	21.49	21.33	23	1
5	QPSK	12	7	21.58	21.40	21.26		
5	QPSK	12	13	21.18	21.28	21.33		
5	QPSK	25	0	22.07	22.08	22.09	23	1
5	16QAM	1	0	22.13	22.09	22.14		
5	16QAM	1	12	21.97	22.02	22.14		
5	16QAM	1	24	22.07	22.26	22.09	22	2
5	16QAM	12	0	20.80	20.84	20.89		
5	16QAM	12	7	20.71	20.86	20.80		
5	16QAM	12	13	20.62	20.81	20.62		
5	16QAM	25	0	20.70	20.75	20.68		
Channel								
Frequency (MHz)								
3	QPSK	1	0	22.42	22.43	22.14	24	0
3	QPSK	1	8	22.28	22.41	22.24		
3	QPSK	1	14	22.26	22.24	22.00		
3	QPSK	8	0	21.41	21.62	21.33	23	1
3	QPSK	8	4	21.48	21.44	21.33		
3	QPSK	8	7	21.20	21.69	21.18		
3	QPSK	15	0	22.11	22.06	22.06	23	1
3	16QAM	1	0	22.14	22.09	22.13		
3	16QAM	1	8	22.11	22.18	22.18		
3	16QAM	1	14	22.01	22.07	21.95	22	2
3	16QAM	8	0	20.68	20.84	20.85		
3	16QAM	8	4	20.75	20.78	20.69		
3	16QAM	8	7	20.64	20.62	20.63		
3	16QAM	15	0	20.69	20.83	20.93		
Channel								
Frequency (MHz)								
1.4	QPSK	1	0	22.80	22.84	22.19	24	0
1.4	QPSK	1	3	22.24	22.26	22.20		
1.4	QPSK	1	6	22.14	22.28	22.11		
1.4	QPSK	3	0	22.05	22.04	22.22	23	1
1.4	QPSK	3	3	22.14	22.32	22.15		
1.4	QPSK	3	3	22.13	22.16	22.11		
1.4	QPSK	6	0	22.06	22.07	21.91	23	1
1.4	16QAM	1	0	22.20	22.09	22.00		
1.4	16QAM	1	3	22.04	22.03	22.07		
1.4	16QAM	1	6	21.91	22.15	21.99	22	2
1.4	16QAM	3	0	22.13	22.15	22.02		
1.4	16QAM	3	1	22.08	22.07	22.20		
1.4	16QAM	3	3	21.92	22.18	21.99		
1.4	16QAM	6	0	20.71	20.81	20.81		



LTE Band 66 Ant 1

Band	Modulation	RB Size	RB Offset	Power Low Ch. / Freq	Power Middle Ch. / Freq	Power High Ch. / Freq	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
20	QPSK	1	0	14.72	14.99	14.65	16	0
20	QPSK	1	49	14.73	14.99	14.64		
20	QPSK	1	99	14.85	14.96	14.72		
20	QPSK	50	0	14.76	14.89	14.72	16	0
20	QPSK	50	24	14.77	14.87	14.65		
20	QPSK	50	50	14.74	14.83	14.69		
20	QPSK	100	0	14.83	14.88	14.76	16	0
20	16QAM	1	0	14.82	14.93	14.87		
20	16QAM	1	49	14.76	14.90	14.87		
20	16QAM	1	99	14.84	14.90	14.76	16	0
20	16QAM	50	0	14.84	14.93	14.84		
20	16QAM	50	24	14.84	14.85	14.74		
20	16QAM	50	50	14.75	14.85	14.66	16	0
20	16QAM	100	0	14.72	14.89	14.76		
Channel								
Frequency (MHz)								
15	QPSK	1	0	14.87	14.95	14.87	16	0
15	QPSK	1	37	14.82	14.77	14.85		
15	QPSK	1	74	14.88	14.85	14.84		
15	QPSK	36	0	14.72	14.73	14.87	16	0
15	QPSK	36	20	14.71	14.81	14.81		
15	QPSK	36	39	14.80	14.88	14.81		
15	QPSK	75	0	14.88	14.88	14.72	16	0
15	16QAM	1	0	14.87	14.76	14.85		
15	16QAM	1	37	14.85	14.73	14.86		
15	16QAM	1	74	14.75	14.90	14.83	16	0
15	16QAM	36	0	14.74	14.82	14.83		
15	16QAM	36	20	14.87	14.81	14.83		
15	16QAM	36	39	14.81	14.86	14.82	16	0
15	16QAM	75	0	14.87	14.77	14.72		
Channel								
Frequency (MHz)								
10	QPSK	1	0	14.81	14.84	14.80	16	0
10	QPSK	1	25	14.86	14.81	14.81		
10	QPSK	1	49	14.75	14.91	14.87		
10	QPSK	25	0	14.89	14.83	14.86	16	0
10	QPSK	25	12	14.87	14.78	14.80		
10	QPSK	25	25	14.84	14.92	14.80		
10	QPSK	50	0	14.74	14.92	14.82	16	0
10	16QAM	1	0	14.74	14.87	14.83		
10	16QAM	1	25	14.85	14.85	14.85		
10	16QAM	1	49	14.89	14.87	14.84	16	0
10	16QAM	25	0	14.76	14.78	14.81		
10	16QAM	25	12	14.89	14.89	14.81		
10	16QAM	25	25	14.86	14.82	14.83	16	0
10	16QAM	50	0	14.84	14.83	14.88		
Channel								
Frequency (MHz)								
5	QPSK	1	0	14.73	14.93	14.83	16	0
5	QPSK	1	12	14.70	14.82	14.84		
5	QPSK	1	24	14.71	14.92	14.87		
5	QPSK	12	0	14.80	14.79	14.88	16	0
5	QPSK	12	7	14.81	14.85	14.87		
5	QPSK	12	13	14.83	14.87	14.83		
5	QPSK	25	0	14.72	14.90	14.85	16	0
5	16QAM	1	0	14.76	14.87	14.81		
5	16QAM	1	12	14.87	14.76	14.81		
5	16QAM	1	24	14.81	14.95	14.71	16	0
5	16QAM	12	0	14.79	14.83	14.82		
5	16QAM	12	7	14.75	14.81	14.88		
5	16QAM	12	13	14.83	14.85	14.84	16	0
5	16QAM	25	0	14.86	14.73	14.72		
Channel								
Frequency (MHz)								
3	QPSK	1	0	14.88	14.84	14.83	16	0
3	QPSK	1	8	14.89	14.83	14.89		
3	QPSK	1	14	14.78	14.91	14.87		
3	QPSK	8	0	14.89	14.78	14.80	16	0
3	QPSK	8	4	14.85	14.82	14.86		
3	QPSK	8	7	14.85	14.93	14.82		
3	QPSK	16	0	14.71	14.97	14.72	16	0
3	16QAM	1	0	14.79	14.89	14.84		
3	16QAM	1	8	14.87	14.85	14.84		
3	16QAM	1	14	14.72	14.88	14.87	16	0
3	16QAM	8	0	14.87	14.88	14.84		
3	16QAM	8	4	14.77	14.84	14.81		
3	16QAM	8	7	14.72	14.84	14.80	16	0
3	16QAM	16	0	14.69	14.84	14.70		
Channel								
Frequency (MHz)								
1.4	QPSK	1	0	14.84	14.86	14.89	16	0
1.4	QPSK	1	3	14.88	14.82	14.85		
1.4	QPSK	1	5	14.74	14.88	14.82		
1.4	QPSK	3	0	14.69	14.78	14.65	16	0
1.4	QPSK	3	1	14.71	14.81	14.83		
1.4	QPSK	3	3	14.83	14.84	14.84		
1.4	QPSK	6	0	14.77	14.93	14.88	16	0
1.4	16QAM	1	0	14.86	14.79	14.87		
1.4	16QAM	1	3	14.83	14.87	14.87		
1.4	16QAM	1	5	14.71	14.92	14.80	16	0
1.4	16QAM	3	0	14.75	14.78	14.85		
1.4	16QAM	3	1	14.72	14.88	14.82		
1.4	16QAM	3	3	14.83	14.81	14.89	16	0
1.4	16QAM	6	0	14.84	14.80	14.74		

LTE Band 38 Ant 1

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Mid Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)		
Channel				37850	38000	38150				
Frequency (MHz)				2580	2595	2610				
20	QPSK	1	0	12.76	13.13	12.86	14	0		
20	QPSK	1	49	12.72	13.02	12.80				
20	QPSK	1	99	12.78	12.95	12.92				
20	QPSK	50	0	12.79	13.11	12.80	14	0		
20	QPSK	50	24	12.74	13.00	12.91				
20	QPSK	50	50	12.73	13.04	12.83				
20	QPSK	100	0	12.72	13.05	12.91	14	0		
20	16QAM	1	0	12.71	13.11	12.90				
20	16QAM	1	49	12.76	13.11	12.81				
20	16QAM	50	0	12.75	13.03	12.81	14	0		
20	16QAM	50	24	12.79	13.05	12.93				
20	16QAM	50	50	12.75	13.07	12.91				
20	16QAM	100	0	12.84	13.08	12.82	14	0		
Channel				37850	38000	38150				
Frequency (MHz)				2577.5	2595	2612.5				
15	QPSK	1	0	12.67	12.95	12.72	14	0		
15	QPSK	1	37	12.63	12.91	12.81				
15	QPSK	1	74	12.62	12.94	12.77				
15	QPSK	36	0	12.62	12.89	12.69	14	0		
15	QPSK	36	20	12.62	12.87	12.85				
15	QPSK	36	39	12.57	12.98	12.78				
15	QPSK	15	0	12.68	13.07	12.77	14	0		
15	16QAM	1	0	12.64	13.08	12.77				
15	16QAM	1	37	12.61	13.02	12.71				
15	16QAM	1	74	12.69	12.90	12.84	14	0		
15	16QAM	36	0	12.71	13.00	12.68				
15	16QAM	36	20	12.74	13.00	12.77				
15	16QAM	36	39	12.69	12.94	12.83	14	0		
15	16QAM	75	0	12.74	13.05	12.76				
Channel				37850	38000	38150				
Frequency (MHz)				2575	2595	2615				
10	QPSK	1	0	12.62	13.01	12.79	14	0		
10	QPSK	1	25	12.68	12.89	12.79				
10	QPSK	1	49	12.74	12.84	12.84				
10	QPSK	25	0	12.74	12.90	12.85	14	0		
10	QPSK	25	12	12.68	12.97	12.77				
10	QPSK	25	25	12.68	12.87	12.68				
10	QPSK	50	0	12.62	13.04	12.78	14	0		
10	16QAM	1	0	12.62	13.00	12.62				
10	16QAM	1	25	12.68	12.98	12.77				
10	16QAM	1	49	12.68	12.95	12.80	14	0		
10	16QAM	25	0	12.65	12.99	12.70				
10	16QAM	25	12	12.64	12.95	12.80				
10	16QAM	25	25	12.63	13.00	12.83	14	0		
10	16QAM	50	0	12.69	13.04	12.78				
Channel				3777.5	38000	38225				
Frequency (MHz)				2572.5	2595	2617.5				
5	QPSK	1	0	12.63	13.05	12.83	14	0		
5	QPSK	1	12	12.55	12.86	12.75				
5	QPSK	1	24	12.69	12.84	12.89				
5	QPSK	12	0	12.69	13.00	12.67	14	0		
5	QPSK	12	7	12.63	12.95	12.85				
5	QPSK	12	13	12.60	13.01	12.78				
5	QPSK	25	0	12.75	13.07	12.77	14	0		
5	16QAM	1	0	12.55	13.03	12.79				
5	16QAM	1	12	12.64	13.05	12.66				
5	16QAM	1	24	12.71	12.98	12.85	14	0		
5	16QAM	12	0	12.61	12.95	12.66				
5	16QAM	12	7	12.71	13.01	12.78				
5	16QAM	12	13	12.71	12.95	12.76	14	0		
5	16QAM	25	0	12.79	13.03	12.76				



Reduced Power for DS16

<GSM>

GSM850_Ant 1 TX Channel	Burst Average Power (dBm)			Tune-up Limit (dBm)	Frame-Average Power (dBm)			Tune-up Limit (dBm)
	128	189	251		128	189	251	
Frequency (MHz)	824.2	836.4	848.8	824.2	836.4	848.8		
GSM 1 Tx slot	32.20	32.04	32.11	33.50	33.20	33.04	33.11	24.50
GPRS 1 Tx slot	32.18	32.01	32.07	33.50	33.18	33.01	33.07	24.50
GPRS 2 Tx slots	30.35	30.38	30.31	31.50	24.35	24.38	24.31	25.50
GPRS 3 Tx slots	28.31	28.35	28.35	29.50	24.05	24.09	24.09	25.24
GPRS 4 Tx slots	28.23	28.29	28.34	27.50	23.23	23.29	23.34	24.50
EDGE 1 Tx slot	26.04	26.11	25.94	27.50	17.04	17.11	16.94	18.50
EDGE 2 Tx slots	24.24	24.31	24.22	25.50	18.24	18.31	18.22	19.50
EDGE 3 Tx slots	22.17	22.21	22.23	23.50	17.81	17.95	17.97	19.24
EDGE 4 Tx slots	20.14	20.23	20.06	22.00	17.14	17.23	17.06	19.00
Mode		Max	32.20			Max		24.38
Attenuator	Cable Loss:							
Date								

GSM1900_Ant 1 TX Channel	Burst Average Power (dBm)			Tune-up Limit (dBm)	Frame-Average Power (dBm)			Tune-up Limit (dBm)
	512	661	810		512	661	810	
Frequency (MHz)	1850.2	1880	1909.8	1850.2	1900	1909.8		
GSM 1 Tx slot	28.46	28.52	28.50	27.00	17.46	17.52	17.50	18.00
GPRS 1 Tx slot	28.53	28.60	28.53	27.00	17.53	17.60	17.53	18.00
GPRS 2 Tx slots	22.89	23.00	22.89	24.00	16.89	17.00	16.89	18.00
GPRS 3 Tx slots	20.92	21.00	20.96	22.00	16.66	16.74	16.70	17.74
GPRS 4 Tx slots	18.67	18.70	18.59	20.00	16.67	16.70	16.59	17.00
EDGE 1 Tx slot	26.30	26.06	26.11	26.50	17.30	17.09	17.11	17.50
EDGE 2 Tx slots	22.95	22.83	22.63	23.50	16.95	16.83	16.63	17.50
EDGE 3 Tx slots	21.06	20.83	20.84	21.50	16.80	16.57	16.58	17.24
EDGE 4 Tx slots	18.90	18.89	18.92	20.00	15.90	15.89	15.92	17.00

<WCDMA>

Band TX Channel	WCDMA I_Ant 1			Tune-up Limit (dBm)	WCDMA IV_Ant 1			Tune-up Limit (dBm)	WCDMA V_Ant 1			Tune-up Limit (dBm)
	9252	9400	9538		1312	1413	1513		4132	4182	4233	
Rx Channel	9562	9800	9938	1537	1638	1738		4357	4407	4458		
Frequency (MHz)	1852.4	1880	1907.6	1712.4	1732.6	1752.6		826.4	836.4	846.6		
3GPP Rel 99 AMR 12.2Kbps	15.71	15.87	15.64	17.00	14.64	14.79	14.71	16.00	22.28	22.36	22.18	24.00
3GPP Rel 99 RMC 12.2Kbps	15.76	15.88	15.60	17.00	14.58	14.81	14.73	16.00	22.31	22.42	22.40	24.00
3GPP Rel 6 HSDPA Subtest-1	14.68	14.95	14.74	16.00	13.68	13.84	13.88	15.00	21.35	21.44	21.24	23.00
3GPP Rel 6 HSDPA Subtest-2	14.70	14.80	14.62	16.00	13.57	13.77	13.88	15.00	21.30	21.43	21.28	23.00
3GPP Rel 6 HSDPA Subtest-3	14.29	14.49	14.09	15.50	13.15	13.40	13.24	14.50	20.85	20.93	20.71	22.50
3GPP Rel 6 HSDPA Subtest-4	14.23	14.35	14.11	15.50	13.15	13.22	13.25	14.50	20.79	20.94	20.78	22.50
3GPP Rel 6 DC-HSDPA Subtest-1	14.70	14.90	14.55	16.00	13.65	13.86	13.67	15.00	21.28	21.44	21.21	23.00
3GPP Rel 6 DC-HSDPA Subtest-2	14.65	14.83	14.70	16.00	13.62	13.82	13.76	15.00	21.36	21.42	21.19	23.00
3GPP Rel 6 DC-HSDPA Subtest-3	14.18	14.36	14.11	15.50	13.12	13.33	13.23	14.50	20.82	20.91	20.70	22.50
3GPP Rel 6 DC-HSDPA Subtest-4	14.25	14.30	14.06	15.50	13.13	13.22	13.23	14.50	20.78	20.90	20.72	22.50
3GPP Rel 6 HSUPA Subtest-1	14.78	14.88	14.58	16.00	13.56	13.79	13.65	15.00	21.36	21.43	21.19	23.00
3GPP Rel 6 HSUPA Subtest-2	12.73	12.80	12.71	14.00	11.67	11.78	11.66	13.00	19.34	19.38	19.25	21.00
3GPP Rel 6 HSUPA Subtest-3	13.79	13.82	13.72	15.00	12.64	12.79	12.74	14.00	20.29	20.40	20.21	22.00
3GPP Rel 6 HSUPA Subtest-4	12.77	12.90	12.69	14.00	11.55	11.85	11.61	13.00	19.28	19.46	19.27	21.00
3GPP Rel 6 HSUPA Subtest-5	14.69	14.88	14.70	16.00	13.65	13.83	13.69	15.00	21.28	21.41	21.27	23.00



LTE Band 13 Ant 1

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
10	QPSK	1	0	22.94			24	0
10	QPSK	1	26	22.92				
10	QPSK	1	49	22.87				
10	QPSK	25	0	22.98			23	1
10	QPSK	25	12	21.87				
10	QPSK	25	26	21.99				
10	QPSK	50	0	21.95				
10	16QAM	1	0	22.34			23	1
10	16QAM	1	26	22.25				
10	16QAM	1	49	22.37				
10	16QAM	25	0	20.91			22	2
10	16QAM	25	12	20.81				
10	16QAM	25	26	20.94				
10	16QAM	50	0	20.92				
Channel								
Frequency (MHz)								
5	QPSK	1	0	22.84	22.80	22.81	24	0
5	QPSK	1	12	22.99	22.98	22.99		
5	QPSK	1	24	22.74	22.78	22.85		
5	QPSK	12	0	21.75	21.98	21.82	23	1
5	QPSK	12	7	21.68	21.14	21.68		
5	QPSK	12	13	21.97	21.92	21.89		
5	QPSK	25	0	21.84	21.89	21.82		
5	16QAM	1	0	22.24	22.18	22.22	23	1
5	16QAM	1	12	22.13	22.05	22.15		
5	16QAM	1	24	22.13	22.01	21.98		
5	16QAM	12	0	20.63	20.76	20.80	22	2
5	16QAM	12	7	20.69	20.51	20.76		
5	16QAM	12	13	20.87	20.77	20.71		
5	16QAM	25	0	20.55	20.60	20.60		

LTE Band 26 Ant 1

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
15	QPSK	1	0	22.99	22.60	22.26	24	0
15	QPSK	1	37	22.33	22.41	22.22		
15	QPSK	1	74	22.15	22.35	22.17		
15	QPSK	36	0	21.83	21.67	21.39	23	1
15	QPSK	36	20	21.95	21.64	21.42		
15	QPSK	36	39	21.31	21.44	21.33		
15	QPSK	19	0	22.15		22.17		
15	16QAM	1	0	22.20	22.27	22.20	23	1
15	16QAM	1	37	22.12	22.19	22.20		
15	16QAM	1	74	22.12	22.38	22.15		
15	16QAM	36	0	20.82	20.90	20.85	22	2
15	16QAM	36	20	20.80	20.88	20.88		
15	16QAM	36	39	20.63	20.84	20.65		
15	16QAM	75	0	20.77	20.87	20.95		
Channel								
Frequency (MHz)								
10	QPSK	1	0	22.53	22.47	22.20	24	0
10	QPSK	1	26	22.18	22.43	22.99		
10	QPSK	1	49	22.16	22.31	22.11		
10	QPSK	25	0	21.34	21.46	21.22	23	1
10	QPSK	25	13	21.37	21.34	21.36		
10	QPSK	25	26	21.10	21.33	21.28		
10	QPSK	50	0	21.94	22.05	21.99	23	1
10	16QAM	1	0	22.07	22.11	22.00		
10	16QAM	1	26	22.10	22.16	22.13		
10	16QAM	1	49	22.09	22.11	22.11		
10	16QAM	25	0	20.58	20.79	20.70	22	2
10	16QAM	25	12	20.58	20.71	20.67		
10	16QAM	25	26	20.44	20.63	20.66		
10	16QAM	50	0	20.58	20.71	20.66		
Channel								
Frequency (MHz)								
5	QPSK	1	0	22.95	22.44	22.11	24	0
5	QPSK	1	12	22.14	22.21	22.08		
5	QPSK	1	24	22.16	22.15	22.12		
5	QPSK	12	0	21.38	21.49	21.33	23	1
5	QPSK	12	7	21.58	21.40	21.26		
5	QPSK	12	13	21.59	21.29	21.33		
5	QPSK	25	0	22.07	22.08	22.09	23	1
5	16QAM	1	0	22.13	22.09	22.14		
5	16QAM	1	12	21.97	22.02	22.14		
5	16QAM	1	24	22.07	22.29	22.09		
5	16QAM	12	0	20.69	20.84	20.65	22	2
5	16QAM	12	7	20.71	20.95	20.90		
5	16QAM	12	13	20.62	20.81	20.62		
5	16QAM	25	0	20.70	20.76	20.68		
Channel								
Frequency (MHz)								
3	QPSK	1	0	22.42	22.45	22.14	24	0
3	QPSK	1	8	22.28	22.41	22.24		
3	QPSK	1	14	22.26	22.28	22.00		
3	QPSK	8	0	21.41	21.62	21.33	23	1
3	QPSK	8	4	21.48	21.44	21.33		
3	QPSK	8	7	21.40	21.40	21.18		
3	16QAM	15	0	22.11	22.06	22.06	23	1
3	16QAM	1	0	22.14	22.08	22.13		
3	16QAM	1	8	22.11	22.16	22.16		
3	16QAM	1	14	22.01	22.07	21.95		
3	16QAM	8	0	20.68	20.84	20.85	22	2
3	16QAM	8	4	20.75	20.78	20.69		
3	16QAM	8	7	20.64	20.62	20.63		
3	16QAM	15	0	20.69	20.83	20.93		
Channel								
Frequency (MHz)								
1.4	QPSK	1	0	22.94	22.64	22.19	24	0
1.4	QPSK	1	3	22.24	22.36	22.20		
1.4	QPSK	1	6	22.14	22.29	22.11		
1.4	QPSK	3	0	22.59	22.44	22.22	23	1
1.4	QPSK	3	1	22.14	22.32	22.19		
1.4	QPSK	3	3	22.13	22.16	22.11		
1.4	16QAM	1	0	22.09	22.07	22.01	23	1
1.4	16QAM	1	3	22.04	22.03	22.07		
1.4	16QAM	1	6	21.91	22.15	21.99		
1.4	16QAM	3	0	22.13	22.15	22.02		
1.4	16QAM	3	1	22.08	22.07	22.20		
1.4	16QAM	3	3	21.92	22.19	21.99		
1.4	16QAM	6	0	20.71	20.81	20.81	22	2



LTE Band 66 Ant 1

BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)		
Channel										
Frequency (MHz)										
20	QPSK	1	0	14.54	14.77	14.48	16	0		
20	16QAM	1	49	14.55	14.72	14.50				
20	QPSK	1	99	14.50	14.71	14.49				
20	QPSK	50	0	14.50	14.74	14.43				
20	QPSK	50	24	14.49	14.66	14.54				
20	QPSK	50	50	14.59	14.65	14.45				
20	QPSK	100	0	14.55	14.72	14.43	16	0		
20	16QAM	1	49	14.57	14.65	14.58				
20	16QAM	1	99	14.55	14.77	14.51				
20	16QAM	50	0	14.58	14.67	14.40				
20	16QAM	50	0	14.49	14.69	14.44				
20	16QAM	50	24	14.58	14.69	14.47				
20	16QAM	50	50	14.55	14.74	14.47	16	0		
20	16QAM	100	0	14.51	14.72	14.54				
Channel										
Frequency (MHz)										
15	QPSK	1	0	14.38	14.65	14.36			16	0
15	QPSK	1	37	14.48	14.64	14.36				
15	QPSK	1	74	14.49	14.69	14.35				
15	QPSK	36	0	14.34	14.61	14.31				
15	QPSK	36	20	14.44	14.54	14.45				
15	QPSK	36	39	14.51	14.55	14.30				
15	QPSK	75	0	14.48	14.63	14.31	16	0		
15	16QAM	1	0	14.54	14.62	14.37				
15	16QAM	1	37	14.50	14.63	14.36				
15	16QAM	1	74	14.52	14.52	14.29				
15	16QAM	36	0	14.45	14.59	14.29				
15	16QAM	36	20	14.45	14.65	14.34				
15	16QAM	36	39	14.42	14.58	14.38	16	0		
15	16QAM	75	0	14.37	14.55	14.49				
Channel										
Frequency (MHz)										
10	QPSK	1	0	14.43	14.62	14.42			16	0
10	QPSK	1	25	14.39	14.70	14.38				
10	QPSK	1	49	14.43	14.73	14.39				
10	QPSK	25	0	14.35	14.67	14.39				
10	QPSK	25	12	14.40	14.59	14.41				
10	QPSK	25	25	14.41	14.60	14.38				
10	QPSK	50	0	14.51	14.62	14.34	16	0		
10	16QAM	1	0	14.45	14.61	14.41				
10	16QAM	1	25	14.50	14.67	14.40				
10	16QAM	1	49	14.49	14.53	14.29				
10	16QAM	25	0	14.41	14.61	14.41				
10	16QAM	25	12	14.42	14.55	14.42				
10	16QAM	25	25	14.47	14.64	14.34	16	0		
10	16QAM	50	0	14.38	14.60	14.39				
Channel										
Frequency (MHz)										
5	QPSK	1	0	14.42	14.65	14.46			16	0
5	QPSK	1	12	14.42	14.65	14.46				
5	QPSK	11	26	14.47	14.72	14.44				
5	QPSK	12	0	14.53	14.64	14.27				
5	QPSK	12	7	14.39	14.53	14.41				
5	QPSK	12	13	14.49	14.61	14.41				
5	QPSK	25	0	14.45	14.71	14.34	16	0		
5	16QAM	1	0	14.44	14.59	14.37				
5	16QAM	1	12	14.43	14.69	14.40				
5	16QAM	1	24	14.50	14.54	14.34				
5	16QAM	12	0	14.39	14.55	14.33				
5	16QAM	12	7	14.44	14.53	14.34				
5	16QAM	12	13	14.49	14.65	14.44	16	0		
5	16QAM	25	0	14.48	14.67	14.49				
Channel										
Frequency (MHz)										
3	QPSK	1	0	14.46	14.71	14.37			16	0
3	QPSK	1	6	14.44	14.63	14.46				
3	QPSK	1	14	14.59	14.66	14.36				
3	QPSK	6	0	14.42	14.64	14.40				
3	QPSK	6	4	14.40	14.55	14.43				
3	QPSK	6	7	14.50	14.53	14.40				
3	QPSK	15	0	14.44	14.63	14.27	16	0		
3	16QAM	1	0	14.51	14.59	14.38				
3	16QAM	1	6	14.50	14.69	14.39				
3	16QAM	1	15	14.43	14.61	14.33				
3	16QAM	6	0	14.37	14.58	14.35				
3	16QAM	6	4	14.47	14.61	14.37				
3	16QAM	6	7	14.41	14.58	14.43	16	0		
3	16QAM	15	0	14.42	14.67	14.40				
Channel										
Frequency (MHz)										
1.4	QPSK	1	0	14.42	14.69	14.37			16	0
1.4	QPSK	1	3	14.40	14.66	14.34				
1.4	QPSK	1	5	14.49	14.74	14.40				
1.4	QPSK	3	0	14.47	14.60	14.30				
1.4	QPSK	3	1	14.41	14.57	14.31				
1.4	QPSK	3	3	14.42	14.53	14.32				
1.4	QPSK	6	0	14.43	14.69	14.38	16	0		
1.4	16QAM	1	0	14.53	14.55	14.34				
1.4	16QAM	1	3	14.44	14.71	14.47				
1.4	16QAM	1	5	14.46	14.55	14.31				
1.4	16QAM	3	0	14.34	14.63	14.35				
1.4	16QAM	3	1	14.45	14.52	14.43				
1.4	16QAM	3	3	14.43	14.60	14.43	16	0		
1.4	16QAM	6	0	14.44	14.65	14.37				



LTE Band 38 Ant 1

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. [Freq]	Power Mid Ch. [Freq]	Power High Ch. [Freq]	Tune-up limit (dBm)	MPR (dB)		
Channel				37850	38000	38150				
Frequency (MHz)				2580	2595	2610				
20	QPSK	1	0	11.73	12.05	11.73	13	0		
20	QPSK	1	49	11.70	11.92	11.72				
20	QPSK	1	99	11.64	11.82	11.62				
20	QPSK	50	0	11.69	12.04	11.80	13	0		
20	QPSK	50	24	11.66	11.95	11.72				
20	QPSK	50	50	11.71	12.03	11.72				
20	QPSK	100	0	11.70	12.03	11.62	13	0		
20	16QAM	1	0	11.73	11.98	11.77				
20	16QAM	1	49	11.74	11.93	11.75				
20	16QAM	50	0	11.67	11.96	11.79	13	0		
20	16QAM	50	24	11.76	12.00	11.75				
20	16QAM	50	50	11.66	11.97	11.82				
20	16QAM	100	0	11.71	12.00	11.81	13	0		
Channel				37850	38000	38150				
Frequency (MHz)				2577.5	2595	2612.5				
15	QPSK	1	0	11.59	11.89	11.68	13	0		
15	QPSK	1	37	11.55	11.88	11.64				
15	QPSK	1	74	11.58	11.82	11.76				
15	QPSK	36	0	11.64	11.94	11.67	13	0		
15	QPSK	36	20	11.57	11.91	11.67				
15	QPSK	36	39	11.66	11.97	11.62				
15	QPSK	15	0	11.67	11.94	11.68	13	0		
15	16QAM	1	0	11.70	11.95	11.62				
15	16QAM	1	37	11.66	11.85	11.71				
15	16QAM	1	74	11.59	11.83	11.64	13	0		
15	16QAM	36	0	11.66	11.86	11.69				
15	16QAM	36	20	11.67	11.85	11.62				
15	16QAM	36	39	11.62	11.93	11.68	13	0		
15	16QAM	75	0	11.61	11.91	11.66				
Channel				37850	38000	38150				
Frequency (MHz)				2575	2595	2615				
10	QPSK	1	0	11.58	11.89	11.63	13	0		
10	QPSK	1	25	11.61	11.88	11.60				
10	QPSK	1	49	11.53	11.83	11.67				
10	QPSK	25	0	11.60	11.82	11.76	13	0		
10	QPSK	25	12	11.63	11.88	11.58				
10	QPSK	25	25	11.63	11.91	11.56				
10	QPSK	50	0	11.65	11.86	11.73	13	0		
10	16QAM	1	0	11.64	11.84	11.63				
10	16QAM	1	25	11.63	11.79	11.67				
10	16QAM	1	49	11.61	11.87	11.62	13	0		
10	16QAM	25	0	11.61	11.78	11.64				
10	16QAM	25	12	11.64	11.90	11.71				
10	16QAM	25	25	11.63	11.90	11.77	13	0		
10	16QAM	50	0	11.57	11.90	11.67				
Channel				3777.5	38000	38225				
Frequency (MHz)				2572.5	2595	2611.5				
5	QPSK	1	0	11.67	11.88	11.64	13	0		
5	QPSK	1	12	11.66	11.77	11.55				
5	QPSK	1	24	11.58	11.80	11.70				
5	QPSK	12	0	11.53	11.92	11.77	13	0		
5	QPSK	12	7	11.61	11.79	11.64				
5	QPSK	12	13	11.61	11.88	11.63				
5	QPSK	25	0	11.56	11.86	11.69	13	0		
5	16QAM	1	0	11.64	11.88	11.70				
5	16QAM	1	12	11.66	11.86	11.58				
5	16QAM	1	24	11.61	11.85	11.64	13	0		
5	16QAM	12	0	11.65	11.84	11.62				
5	16QAM	12	7	11.67	11.92	11.71				
5	16QAM	12	13	11.56	11.89	11.73	13	0		
5	16QAM	25	0	11.56	11.92	11.67				



<2.4GHz WLAN>

Ant 5			Full Power		Head&Bodyworn&Extremity		Hotspot		Duty Cycle %
Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	
802.11b 1Mbps	1	2412	16.76	18.00	16.76	18.00	16.76	18.00	98.01
	6	2437	15.64	17.50	15.64	17.50	15.64	17.50	
	11	2462	15.21	17.00	15.21	17.00	15.21	17.00	
802.11g 6Mbps	1	2412	13.41	15.00	13.41	15.00	13.41	15.00	88.68
	2	2417	19.83	21.50	19.83	21.50	16.22	18.00	
	6	2437	19.18	20.50	19.18	20.50	16.05	17.50	
	10	2457	20.30	22.00	19.36	21.00	16.25	18.00	
802.11n-HT20 MCS0	11	2462	12.72	14.50	12.72	14.50	14.50	14.50	82.81
	1	2412	12.56	14.50	14.50	14.50	14.50	14.50	
	2	2417	19.34	21.00	Not Requested	21.00	Not Requested	18.00	
	6	2437	19.36	20.50	Not Requested	20.50	Not Requested	17.50	
10	2457	20.63	22.00	14.50	14.50	14.50	14.50	14.50	
11	2462	12.88	14.50	14.50	14.50	14.50	14.50	14.50	

<5.2GHz WLAN>

Ant 5			Full Power		Head		Body-worn&Extremity		Hotspot		Duty Cycle %
Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	
802.11a 6Mbps	36	5180	17.29	19.00	15.42	17.00	12.64	14.50	9.77	11.50	89.10
	40	5200	18.42	20.00	15.49	17.00	12.79	14.50	9.90	11.50	
	44	5220	18.48	20.00	15.63	17.00	12.88	14.50	9.95	11.50	
802.11n-HT20 MCS0	48	5240	18.05	20.00	15.47	17.00	12.71	14.50	9.83	11.50	86.81
	36	5180	16.57	18.00	17.00	17.00	14.50	14.50	11.50	11.50	
	40	5200	18.48	20.00	17.00	17.00	14.50	14.50	11.50	11.50	
	44	5220	18.45	20.00	17.00	17.00	14.50	14.50	11.50	11.50	
802.11ac-VHT20 MCS0	48	5240	18.22	20.00	Not Requested	17.00	Not Requested	14.50	Not Requested	11.50	87.43
	36	5180	16.50	18.00	Not Requested	17.00	Not Requested	14.50	Not Requested	11.50	
	40	5200	17.65	19.00	Not Requested	17.00	Not Requested	14.50	Not Requested	11.50	
	44	5220	17.69	19.00	Not Requested	17.00	Not Requested	14.50	Not Requested	11.50	
48	5240	17.35	19.00	17.00	17.00	14.50	14.50	11.50	11.50		

<5.3GHz WLAN>

Ant 5			Full Power		Head		Body-worn&Extremity		Duty Cycle %
Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	
802.11a 6Mbps	52	5260	17.95	19.50	15.79	17.00	12.99	14.50	89.10
	56	5280	17.91	19.50	15.78	17.00	12.93	14.50	
	60	5300	18.17	20.00	15.63	17.00	13.09	14.50	
	64	5320	18.02	20.00	15.81	17.00	13.05	14.50	
802.11n-HT20 MCS0	52	5260	18.12	20.00	17.00	17.00	14.50	14.50	86.81
	56	5280	18.08	20.00	17.00	17.00	14.50	14.50	
	60	5300	18.10	20.00	17.00	17.00	14.50	14.50	
	64	5320	18.18	20.00	Not Requested	17.00	Not Requested	14.50	
802.11ac-VHT20 MCS0	52	5260	17.33	19.00	17.00	17.00	14.50	14.50	87.43
	56	5280	17.21	19.00	17.00	17.00	14.50	14.50	
	60	5300	17.39	19.00	17.00	17.00	14.50	14.50	
	64	5320	17.30	19.00	17.00	17.00	14.50	14.50	

<5.5GHz WLAN>

Ant 5			Full Power		Head		Body-worn&Extremity		Duty Cycle %
Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	
802.11a 6Mbps	100	5500	18.01	19.50	15.15	16.50	12.54	14.50	89.10
	116	5580	18.33	20.00	15.59	16.50	12.65	14.50	
	124	5620	18.47	20.00	15.49	16.50	12.59	14.50	
	132	5660	18.51	20.00	15.51	16.50	12.51	14.50	
802.11n-HT20 MCS0	140	5700	17.31	19.00	15.18	16.50	12.63	14.50	86.81
	100	5500	17.15	19.00	16.50	16.50	14.50	14.50	
	116	5580	18.58	20.00	16.50	16.50	14.50	14.50	
	124	5620	18.54	20.00	16.50	16.50	14.50	14.50	
802.11ac-VHT20 MCS0	132	5660	18.50	20.00	16.50	16.50	14.50	14.50	87.43
	140	5700	18.52	20.00	16.50	16.50	14.50	14.50	
	100	5500	17.07	18.50	Not Requested	16.50	Not Requested	14.50	
	116	5580	17.67	19.50	Not Requested	16.50	Not Requested	14.50	
124	5620	17.63	19.50	16.50	16.50	14.50	14.50	14.50	
132	5660	17.61	19.50	16.50	16.50	14.50	14.50	14.50	
140	5700	16.43	18.00	16.50	16.50	14.50	14.50	14.50	

<5.8GHz WLAN>

Ant 5			Full Power		Head		Body-worn&Extremity		Hotspot		Duty Cycle %
Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	
802.11a 6Mbps	149	5745	17.86	19.50	14.18	16.00	9.11	11.00	7.55	9.50	89.10
	157	5785	18.25	20.00	14.27	16.00	9.22	11.00	7.67	9.50	
	165	5825	18.03	20.00	14.06	16.00	9.21	11.00	7.51	9.50	
802.11n-HT20 MCS0	149	5745	17.96	19.50	16.00	16.00	11.00	11.00	9.50	9.50	86.81
	157	5785	18.39	20.00	16.00	16.00	11.00	11.00	9.50	9.50	
	165	5825	18.20	20.00	Not Requested	16.00	Not Requested	11.00	Not Requested	9.50	
	149	5745	17.09	19.00	16.00	16.00	11.00	11.00	9.50	9.50	
802.11ac-VHT20 MCS0	157	5785	17.53	19.00	16.00	16.00	11.00	11.00	9.50	9.50	87.43
	165	5825	17.34	19.00	16.00	16.00	11.00	11.00	9.50	9.50	
	149	5745	17.34	19.00	16.00	16.00	11.00	11.00	9.50	9.50	

<Bluetooth>			Ant 5			
Mode	Channel	Frequency (MHz)	Average power (dBm)			Tune-up Limit
			1Mbps	2Mbps	3Mbps	
BR / EDR	CH 00	2402	0.31	7.14	7.09	10.50
	CH 39	2441	7.06	6.09	6.01	9.00
	CH 78	2480	7.41	6.05	6.13	9.00

BLE 1M			Ant 5	
Mode	Channel	Frequency (MHz)	Average power (dBm)	
			CRS4	CRS5
LE	CH 00	2402	0.71	
	CH 19	2440	-0.77	
	CH 39	2480	-1.69	
Tune-up Limit			1.5	

BLE 2M			Ant 5	
Mode	Channel	Frequency (MHz)	Average power (dBm)	
			2Mbps	3Mbps
LE	CH 01	2404	0.25	
	CH 19	2440	-0.64	
	CH 38	2478	-1.40	
Tune-up Limit			1.50	